

EXPLANATION

Recent

Qal

Alluvium

Clay, silt, sand, and gravel on flood plains of minor streams. In places includes small areas of low terrace deposits

Platocene

Qt

Terrace deposits bordering minor streams

Undifferentiated clay, silt, sand, and gravel

Qn1  
Qn2  
Qn3  
Qn4

Terrace deposits of Patuxent River

Chiefly sand and gravel in lower part, loam in upper part. Qn1, Nottingham terrace 1. In northern part sub-divided into Qn1a, 8 feet above river and Qn1b, 20 feet above river. Mostly loamy and gravel. Qn2, Nottingham terrace 2. Corresponds to Talbot terrace of Shattuck. Qn3, Nottingham terrace 3. Qn4, Nottingham terrace 4. Includes deposits of one or more high-level terrace deposits

Quaternary

Qd

Dune sand

Shown only where resting on Brandywine formation. Fine sand and sandy loam. Remnants of system of ancient dunes considerably modified by soil-forming processes and erosion. May have wide range in age

Pliocene (?)

Tbi  
Tbg

Brandywine formation

Tbi, upper loam member, predominantly silt loam and loam; includes small areas of clay and sand. Tbg, lower gravel member, predominantly sand and gravel; contains interbedded fine sand and in places lenses of silt. In Patuxent River valley may include some high-level terrace deposits of the river

Miocene (?)

Tnk

North Keys sand

Sand, very fine, massive, well-sorted. Loamy at base; grades downward into clay of Calvert formation. Generally light orange

Miocene

Tc

Calvert formation

Clay, sand, and diatomaceous earth. Topmost bed is generally diatomaceous clay, 15-30 feet thick

Eocene

Tn

Nanjemoy formation

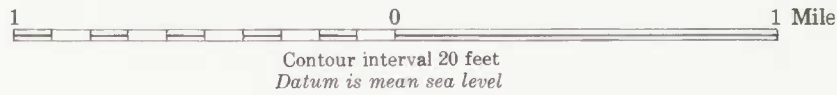
Glaucinitic sand and clay. Exposed only in north-eastern part of area

Contact

Dashed where approximately located

Base from U. S. Army Map Service Brandywine quadrangle, Maryland, 1946 and Lower Marlboro quadrangle, Maryland, 1950

GEOLOGIC MAP OF BRANDYWINE AREA, SOUTHERN MARYLAND



Geology by John T. Hack and Robert M. Lindvall, 1946-50  
Cedarville State Forest modified from soil mapping by C. C. Nikiforoff